BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:	**Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05**
Estimate Amount:-	**Rs 500.00 LAKHS**
Name of Contractor:-	**Sri. K Dileep Kumar No. 38, 5th cross, Suncity layout, 7th Phase, J P Nagar, Bangalore-78**
Approved amount:-	**43950207.00**
Tender premium:-	**+4.95% (Above)**

Item no	Description of work	Unit	Detailed as per Approved tender rates			Total Executed Quantity as per modified Estimate	Comparitive Statement									Total amount	Exess Amount	Savings Amount	Remarks
							upto Sanction Qty			As per Execution									
										Above Sanctioned Qty upto 125%			Above Sanctioned Qty above125%						
			Qnty	Rate	Amount		Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount				
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding whereverneoessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications.	Cum	29.95	463.73	13887.00	0.00	0.00	463.7	0.00	0.00	463.73	0.00	0.00	463.73	0.00	0.00	0.00	13887	
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.	Cum	33.46	692.90	23182.00	0.00	0.00	692.9	0.00	0.00	692.90	0.00	0.00	692.90	0.00	0.00	0.00	23182	
3	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	6126.20	217.88	1334777.00	4944.08	4944.08	217.9	1077216.00	0.00	217.88	0.00	0.00	217.88	0.00	1077216.00	0.00	257561	
4	Excavation by manual means for foundation of buildings, water supply & sanitary lines and electrical conduits etc., either in pits or in trenches 1.50m and above in width , soft rock/ Ordinary Rock without Blasting not exceeding 1.5 m. in depth, Including stacking the excavated stuff Clear from edges of excavation with lead upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications.	Cum	82.50	1594.25	131526.00	0.00	0.00	1594.3	0.00	0.00	1594.25	0.00	0.00	1594.25	0.00	0.00	0.00	131526	
5	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	133.72	116.81	15620.00	0.00	0.00	116.8	0.00	0.00	116.81	0.00	0.00	116.81	0.00	0.00	0.00	15620	
6	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.	Cum	1176.13	5690.28	6692510.00	1100.76	1100.76	5690.3	6263629.00	0.00	5690.28	0.00	0.00	5690.28	0.00	6263629.00	0.00	428881	

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7	Providing laying plain reinforced cement concrete for Side Drains 15cmg M20 nominal mix Concrete with OPC at 300kgs /m3b 20mm and Down size granite metal coarse aggregate at 0.80cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and bottom including centering shuttering cost of materials,HOM of Machinery,Curing 14c. Complete Including cost of lead as per mord's MORTH specification and as per the directions of the Engineer-in-charge of the work.	Cum	1487.23	7430.17	11055590.00	1538.72	1538.72	9999999	0.00	0.00	7430.17	0.00	0.00	7430.17	0.00	9999999.00	0.00	1176649
8	Providing T.M.T bars fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position, tying wire and welding wherever required, fixing with binding wire and securing in the reinforcing system wherever necessary complete as per design, Cops, hooks and wastage shall not be measured and paid cost of materials, labour, HOM of machinery complete as per specification.	MTONS	95.55	68206.72	6517000.00	81.51	81.51	9999999	0.00	0.00	68206.72	0.00	0.00	68206.72	0.00	9999999.00	0.00	99995
9	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10mm thick and including curing including form work complete including cost of all materials, labour, hire charges of machinery,loading,unloading and proper disposal of rejected materials and 10 transportation etc.	Sqm	3990.88	2451.08	9781700.00	2063.17	2063.17	7910000	0.00	0.00	2451.08	0.00	0.00	2451.08	0.00	9781700.00	0.00	8064936
10	Providing and Fixing RCC wall covering Slab 250mm thick made out of CC 1:2:4 with 16mm Down Sizes size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery ,loading, unloading and lift transportation etc. and as per the directions of the Engineer-in-charge of the work.	Sqm	557.18	5086.59	2833800.00	83.06	83.06	4000000	0.00	0.00	5086.59	0.00	0.00	5086.59	0.00	4000000.00	0.00	1166818
11	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240 kgs. with 25mm and down size graded granite metal coarse aggregate @ 0.8 CUM sand and fine aggregate @ 0.42cum, machine mixed, concrete laid in layers not exceeding 15 cm thick, well compacted, in foundation, plinth and rib, including cost of all materials, labour, HOM curing complete as per specification. Specification	Cum	25.61	9951.81	254835.00	0.00	0.00	9951.8	0.00	0.00	9951.81	0.00	0.00	9951.81	0.00	0.00	0.00	166615
12	Providing and laying pre cast cold cement concrete kerb stones made out of CC 1:2:4 with 10 mm aggregate with 150 mm thick and 300 mm approximately 450mm high and 450mm in length finished with CM 1:3 plastering and finishing coating including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc complete as per the direction of Engineer incharge	Nos	556.00	455.80	253365.00	0.00	0.00	455.9	0.00	0.00	455.80	0.00	0.00	455.80	0.00	0.00	0.00	22224
13	Painting two coats after filling the surface with suitable cement paint in approved shades on new plastered concrete surface, with materials, labour complete as per specifications.	Sqm	190.00	90.00	9666.00	0.00	0.00	90.0	0.00	0.00	90.00	0.00	0.00	90.00	0.00	0.00	0.00	9000
14	Sanding Substance cover 50mm to 75mm thick including consolidation with power vibrator having 75 mm thick cement concrete 1:2:4 with 10 mm aggregate and finishing the surface with smooth carpet, surface being cured along with granular earth, earthen ridges forming the edges plastered with kacha mortar including cost of all lime and stabering the labour including cost of all labour charges, HOM of machineries complete as per specifications	Sqm	355.46	49.90	14609.00	555.17	555.17	414	9999999	1.11	49.90	1110.00	0.00	49.90	0.00	55454.00	1110.00	0

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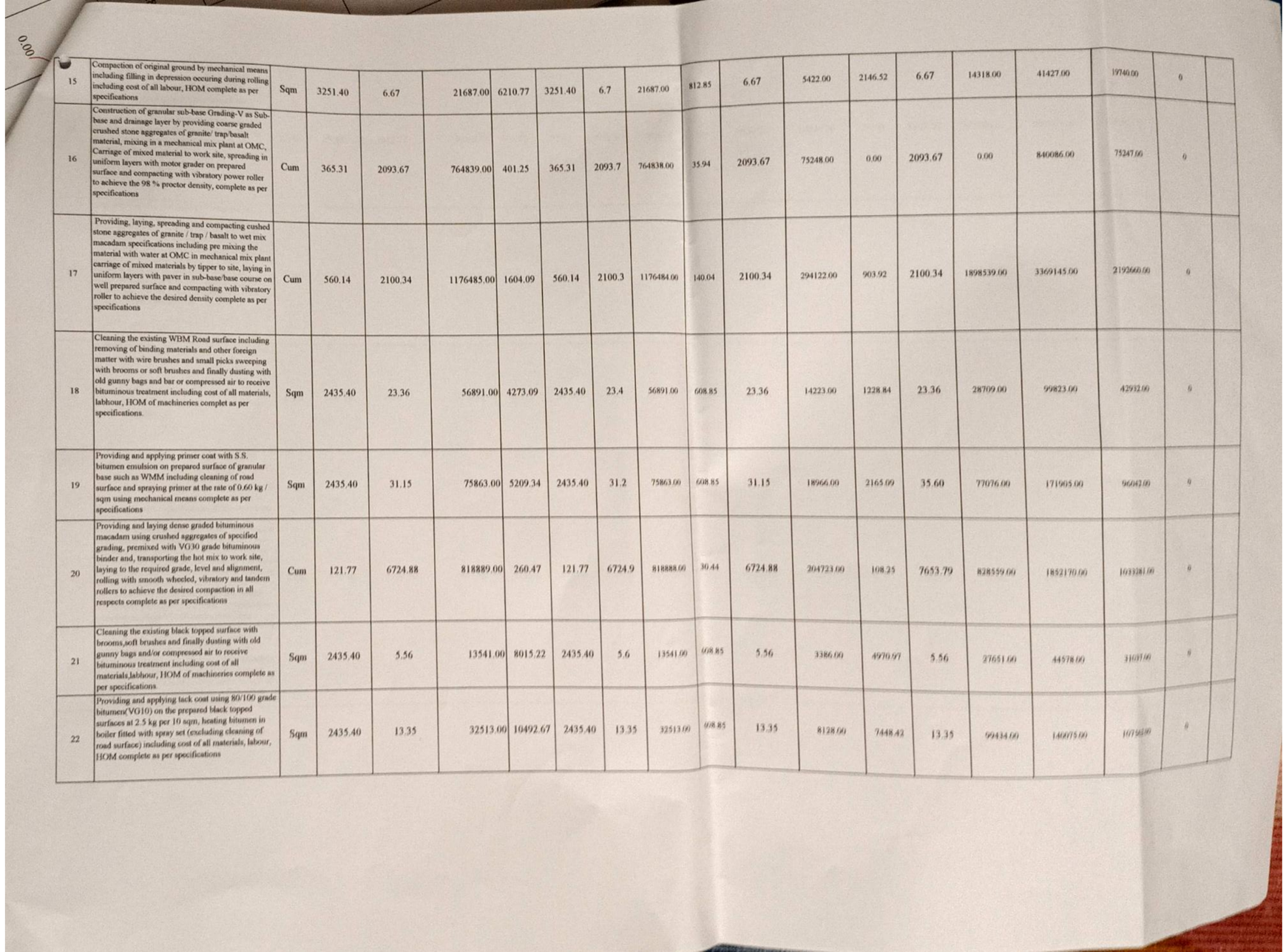

15	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	3251.40	6.67	21687.00	6210.77	3251.40	6.7	21687.00	812.85	6.67	5422.00	2146.52	6.67	14318.00	41427.00	19740.00	0	
16	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	365.31	2093.67	764839.00	401.25	365.31	2093.7	764838.00	35.94	2093.67	75248.00	0.00	2093.67	0.00	840086.00	75247.00	0	
17	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	560.14	2100.34	1176485.00	1604.09	560.14	2100.3	1176484.00	140.04	2100.34	294122.00	903.92	2100.34	1898539.00	3369145.00	219266.00	0	
18	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.	Sqm	2435.40	23.36	56891.00	4273.09	2435.40	23.4	56891.00	608.85	23.36	14223.00	1228.84	23.36	28709.00	99823.00	42932.00	0	
19	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications	Sqm	2435.40	31.15	75863.00	5209.34	2435.40	31.2	75863.00	608.85	31.15	18966.00	2165.09	35.60	77076.00	171905.00	96042.00	0	
20	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications	Cum	121.77	6724.88	818889.00	260.47	121.77	6724.9	818888.00	30.44	6724.88	204723.00	108.25	7653.79	828559.00	1852170.00	1033281.00	0	
21	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.	Sqm	2435.40	5.56	13541.00	8015.22	2435.40	5.6	13541.00	608.85	5.56	3386.00	4970.97	5.56	27651.00	44578.00	31697.00	0	
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications	Sqm	2435.40	13.35	32513.00	10492.67	2435.40	13.35	32513.00	608.85	13.35	8128.00	7448.42	13.35	99434.00	140075.00	107985.00	0	

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23	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.	Cum	97.42	7910.77	770668.00	419.71	97.42	7910.8	770668.00	24.36	7910.77	192667.00	297.93	8967.62	2671741.00	3635076.00	2864408.00	0	
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	74.25	477.25	35436.00	310.24	74.25	477.3	35436.00	18.56	477.25	8859.00	217.43	477.25	103768.00	148063.00	112627.00	0	
25	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	340.94	1000.11	340978.00	69.00	69.00	1000.1	69006.00	0.00	1000.11	0.00	0.00	1000.11	0.00	69006.00	0.00	271972	
26	Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries,all lead and lift charges etc , complete as per	Cum	378.10	5468.90	2067792.00	378.08	378.08	5468.9	2067702.00	0.00	5468.90	0.00	0.00	5468.90	0.00	2067702.00	0.00	90	

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E3	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	0.00	126.93	0.00	1245.62	0.00	126.9	0.00	0.00	126.93	0.00	1245.62	126.93	158102.00	158102.00	158102.00	0	
	Total Amount				43950307.00				37198547.0			8380383.00			9037807.00	43944527.00	6793977.00	6793667.00	
	12% GST				5274025.00											5273343.00	805517.00	820199.00	
	Total Grand Amount				49224232.00											49217870.00	7555494.00	7561856.00	

Certificate

1. The Work executed by the contractor is found satisfactory
2. The contractor has removed the debris from the work spot

Cross Checking

Tender Amount	49224232	**Total Saving Amount**	7561856
Executed Amount	49217870	**Total Excess Amount**	7555494
	6362		6362

Contractor

Assistant Executive Engineer

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